

Please amend claim 1 as follows:

Q2 1 1. (Amended) An optical reader comprising:
2 an imaging assembly;
3 a processor in communication with said imaging assembly; and
4 a memory in communication with said processor having an operating
5 program stored thereon for controlling operation of said optical reader, said optical
6 reader being adapted to receive a component control instruction from a
7 nonintegrated processor, and further being adapted to execute said component
8 control instruction from said nonintegrated processor.

1 2. The optical reader of claim 1, wherein said component control instruction
2 is a remote trigger activation instruction.

1 3. The optical reader of claim 1, wherein said component control instruction
2 is a remote trigger release instruction.

1 4. The optical reader of claim 1, wherein said imaging assembly includes an
2 illumination source, wherein execution of said component control instruction results
3 in said illumination source being controlled.

1 5. The optical reader of claim 1, further comprising an acoustic output
2 device, wherein execution of said component control instruction results in said
3 acoustic output device being controlled.

1 6. The optical reader of claim 1, further comprising a display, and wherein
2 execution of said component control instruction results in a predetermined indicia
3 being displayed by said display device.

Please amend claim 7 as follows:

Q3 1 7. (Amended) The optical reader of claim 1, wherein said memory stores at
2 least one frame of image data, and wherein execution of said component control
3 instruction results in said at least one frame of image data being uploaded to a

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nonintegrated processor.

1 8. The optical reader of claim 1, wherein execution of said component
2 control instruction results in said processor controlling said imaging assembly to
3 capture a frame of image data in said memory.

Please amend claim 9 as follows:

1 9. (Amended) An optical reader system comprising:
2 a portable optical reader having an imaging assembly, a reader processor in
3 communication with said imaging assembly, and a reader memory in
4 communication with said reader processor, said optical reader being adapted to
5 receive a component control instruction from a nonintegrated processor; and
6 said nonintegrated processor adapted to transmit a component control
7 instruction in response to a user input command to control said optical reader;
8 said optical reader being programmed so that said reader processor executes
9 said component control instruction substantially on receipt of said component
10 control instruction from said nonintegrated processor.

1 10. The optical reader system of claim 9, wherein said component control
2 instruction is a remote trigger activation instruction.

1 11. The optical reader system of claim 9, wherein said component control
2 instruction is a remote trigger release instruction.

1 12. The optical reader system of claim 9, wherein said imaging assembly
2 includes an illumination source, and wherein execution of said component control
3 instruction results in said illumination source being controlled.

1 13. The optical reader system of claim 9, wherein said optical reader
2 includes an acoustic output device, and wherein execution of said component control
3 instruction results in said acoustic output device being controlled.

1 14. The optical reader system of claim 9, wherein said optical reader
2 includes a display, and wherein execution of said component control instruction
3 results in a predetermined indicia being displayed by said display device.

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Please amend claim 15 as follows:

Q5 1 15. (Amended) The optical reader system of claim 9, wherein said reader
2 memory stores at least one frame of image data, and wherein execution of said
3 component control instruction results in said at least one frame of image data being
4 uploaded to said nonintegrated processor.

1 16. The optical reader system of claim 9, wherein execution of said
2 component control instruction results in said reader processor controlling said
3 imaging assembly to capture a frame of image data in said reader memory.

Please add new claims 17-64 as follows:

1 17. The reader of claim 1, wherein said reader includes a gun style housing.

1 18. The reader of claim 1, wherein said reader includes a gun style housing,
2 and wherein said component control instruction is a trigger activation instruction.

Q4 1 19. The reader of claim 1, wherein said reader includes a gun style housing,
2 and wherein said component control instruction is a trigger release instruction.

1 20. The reader of claim 1, wherein said reader includes a gun style housing
2 and an illumination source, and wherein said execution of said component control
3 instruction results in said illumination source being controlled.

1 21. The reader of claim 1, wherein said reader includes a gun style housing
2 and an acoustic output, wherein execution of said component control instruction
3 results in said acoustic output device being controlled.

1 22. The reader of claim 1, wherein said reader includes a gun style housing
2 and wherein said memory stores at least one frame of image data, and wherein
3 execution of said component control instruction results in said at least one frame of
4 image data being uploaded to said remote processor.

1 23. The reader of claim 1, wherein said reader includes a gun style housing,
2 wherein said imaging assembly is a 2D imaging assembly, wherein said reader is
3 adapted to capture a 2D image representation into said memory, and further wherein
4 execution of said component control instruction results in said processor controlling
5 said imaging assembly to capture a 2D frame of image data into said memory.

1 24. The reader of claim 1, wherein said reader includes at least one of a
2 keyboard and a display.

1 25. The reader of claim 1, wherein said reader includes at least one of a
2 keyboard and a display, and wherein said component control instruction is a trigger
3 activation instruction.

1 26. The reader of claim 1, wherein said reader includes at least one of a
2 keyboard and a display, and wherein said component control instruction is a trigger
3 release instruction.

1 27. The reader of claim 1, wherein said reader includes at least one of a
2 keyboard, a display, and an illumination source, and wherein said execution of said
3 component control instruction results in said illumination source being controlled.

1 28. The reader of claim 1, wherein said reader includes at least one of a
2 keyboard, a display, and an acoustic output, wherein execution of said component
3 control instruction results in said acoustic output device being controlled.

1 29. The reader of claim 1, wherein said reader includes at least one of a
2 keyboard and a display and wherein said memory stores at least one frame of image

3 data, and wherein execution of said component control instruction results in said at
4 least one frame of image data being uploaded to said remote processor.

1 30. The reader of claim 1, wherein said reader includes at least one of a
2 keyboard and a display, wherein said imaging assembly is a 2D imaging assembly,
3 wherein said reader is adapted to capture a 2D image representation into said
4 memory, and further wherein execution of said component control instruction results
5 in said processor controlling said imaging assembly to capture a 2D frame of image
6 data into said memory.

1 31. The reader of claim 1, wherein said reader includes a display, and
2 whereon said component control instruction is one which when executed by said
3 reader causes a predetermined indica to be displayed on said display.

1 32. The reader of claim 1, wherein said reader includes at least one light
2 source, and wherein said component control instruction when executed by said
3 reader results in flashing of said at least one light source.

1 33. The reader of claim 1, wherein said reader includes an acoustic output
2 device, and wherein said component control instruction when executed by said
3 reader results in a series of beeps being emitted by said acoustic output device.

1 34. The reader of claim 1, wherein said reader includes a gun style housing
2 and at least one light source, and wherein said component control instruction when
3 executed by said reader results in flashing of said at least one light source.

1 35. The reader of claim 1, wherein said reader includes a gun style housing
2 and an acoustic output device, and wherein said component control instruction when
3 executed by said reader results in a series of beeps being emitted by said acoustic
4 output device.

1 36. The reader of claim 1, wherein said reader includes at least one of a

2 keyboard and a display and at least one light source, and wherein said component
3 control instruction when executed by said reader results in flashing of said at least
4 one light source.

1 37. The reader of claim 1, wherein said reader includes at least one of a
2 keyboard and a display and an acoustic output device, and wherein said component
3 control instruction when executed by said reader results in a series of beeps being
4 emitted by said acoustic output device.

1 38. The system of claim 9, wherein said nonintegrated processor is a local
2 host processor.

1 39. The system of claim 9, wherein said nonintegrated processor is a local
2 host processor adapted so that data is input thereto via a graphical user interface.

Q6 1 40. The system of claim 9, wherein said nonintegrated processor is a local
2 host processor adapted so that data is input thereto via a graphical user interface,
3 said graphical user interface adapted for use in developing instructions for
4 transmission to said portable reader.

1 41. The system of claim 9, wherein said nonintegrated processor and said
2 portable optical reader are in communication via a wireless communication link.

1 42. The system of claim 9, wherein said reader includes a gun style housing.

1 43. The system of claim 9, wherein said reader includes a gun style housing,
2 and wherein said component control instruction is a trigger activation instruction.

1 44. The system of claim 9, wherein said reader includes a gun style housing,
2 and wherein said component control instruction is a trigger release instruction.

1 45. The system of claim 9, wherein said reader includes a gun style housing

2 and an illumination source, and wherein said execution of said component control
3 instruction results in said illumination source being controlled.

1 46. The system of claim 9, wherein said reader includes a gun style housing
2 and an acoustic output, wherein execution of said component control instruction
3 results in said acoustic output device being controlled.

1 47. The system of claim 9, wherein said reader includes a gun style housing
2 and wherein said memory stores at least one frame of image data, and wherein
3 execution of said component control instruction results in said at least one frame of
4 image data being uploaded to said remote processor.

1 48. The system of claim 9, wherein said reader includes a gun style housing,
2 wherein said imaging assembly is a 2D imaging assembly, wherein said reader is
3 adapted to capture a 2D image representation into said memory, and further wherein
4 execution of said component control instruction results in said processor controlling
5 said imaging assembly to capture a 2D frame of image data into said memory.

1 49. The system of claim 9, wherein said reader includes at least one of a
2 keyboard and a display.

1 50. The system of claim 9, wherein said reader includes at least one of a
2 keyboard and a display, and wherein said component control instruction is a trigger
3 activation instruction.

1 51. The system of claim 9, wherein said reader includes at least one of a
2 keyboard and a display, and wherein said component control instruction is a trigger
3 release instruction.

1 52. The system of claim 9, wherein said reader includes at least one of a
2 keyboard, a display, and an illumination source, and wherein said execution of said
3 component control instruction results in said illumination source being controlled.

1 53. The system of claim 9, wherein said reader includes at least one of a
2 keyboard, a display, and an acoustic output, wherein execution of said component
3 control instruction results in said acoustic output device being controlled.

1 54. The system of claim 9, wherein said reader includes at least one of a
2 keyboard and a display and wherein said memory stores at least one frame of image
3 data, and wherein execution of said component control instruction results in said at
4 least one frame of image data being uploaded to said remote processor.

1 55. The system of claim 9, wherein said reader includes at least one of a
2 keyboard and a display, wherein said imaging assembly is a 2D imaging assembly,
3 wherein said reader is adapted to capture a 2D image representation into said
4 memory, and further wherein execution of said component control instruction results
5 in said reader processor controlling said imaging assembly to capture a 2D frame of
6 image data into said memory.

1 56. The system of claim 9, wherein said reader includes at least one of a
2 keyboard and a display and wherein said reader is adapted for communication with
3 said nonintegrated processor via an RF communication link.

1 57. The system of claim 9, wherein said reader stores at least one frame of
2 image data, wherein said component control instruction is one which when executed
3 by said reader causes said at least said one frame of image data to be uploaded to
4 said nonintegrated processor, wherein said nonintegrated processor is adapted to
5 subsequently display said uploaded frame of image data on a display associated with
6 said nonintegrated processor.

1 58. The system of claim 9, wherein said reader includes a display, and
2 whereon said component control instruction is one which when executed by said
3 reader causes a predetermined indica to be displayed on said display.

1 59. The system of claim 9, wherein said reader includes at least one light
2 source, and wherein said component control instruction when executed by said
3 reader results in flashing of said at least one light source.

1 60. The system of claim 9, wherein said reader includes an acoustic output
2 device, and wherein said component control instruction when executed by said
3 reader results in a series of beeps being emitted by said acoustic output device.

1 61. The system of claim 9, wherein said reader includes a gun style housing
2 and at least one light source, and wherein said component control instruction when
3 executed by said reader results in flashing of said at least one light source.

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Cord 1 62. The system of claim 9, wherein said reader includes a gun style housing
2 and an acoustic output device, and wherein said component control instruction when
3 executed by said reader results in a series of beeps being emitted by said acoustic
4 output device.

1 63. The system of claim 9, wherein said reader includes at least one of a
2 keyboard and a display and at least one light source, and wherein said component
3 control instruction when executed by said reader results in flashing of said at least
4 one light source.

1 64. The system of claim 9, wherein said reader includes at least one of a
2 keyboard and a display and an acoustic output device, and wherein said component
3 control instruction when executed by said reader results in a series of beeps being
4 emitted by said acoustic output device.
